

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Mobil Producing TX. &amp; N.M. Inc.

3. ADDRESS OF OPERATOR

9 Greenway Plaza, Suite 2700, Houston, Texas 77046

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1845 FNL &amp; 790 FWL

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO.

NA

DATE ISSUED

4-1-80

15. DATE SPUDDED

5-10-80

16. DATE T.D. REACHED

5-29-80

17. DATE COMPL. (Ready to prod.)

6-24-80

18. ELEVATIONS (D.F. RBE, RT, GR, ETC.)\*

6901.5' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

7775

21. PLUG BACK T.D., MD &amp; TVD

7615

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

7330-7544 (Dakota)

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Nuetron Density, Induction Electrolog

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | AMOUNT PULLED         |
|-------------|-----------------|----------------|-----------|-----------------------|
| 13-3/8      | 48#             | 300            | 17        | 300x Glass B Neat     |
| 8-5/8       | 24 & 32#        | 3900           | 11        | 550x Lt + 100x B Neat |
| 4-1/2       | 10.5 & 11#      | 7773           | 7-7/8     | 550x Lt + 250x B Neat |
|             |                 |                |           | None                  |

29.

LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
|      |          |             |               |             |

30. TUBING RECORD

| SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|
| 2-3/8 | 7490           | SN @ 7430       |

31. PERFORATION RECORD (Interval, size and number)

7330-7353  
7365-7376  
7444-7458  
7490-7516  
7554-7544

1 JSP/2'

32.

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED  |
|---------------------|-----------------------------------|
| 7400-7550           | Acidized w/100 gals 15% HCl       |
| 7490-7544           | Acidized w/2000 gals 15% HCl      |
| 7444-7544           | Acidized w/2500 gals 15% HCl+40BS |
| 7330-7375           | Acidized w/2000 gals 15% HCl+25BS |

33.\*

PRODUCTION

See Reverse

DATE FIRST PRODUCTION

6-16-80

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

2" x 1 1/4" x 16' Pump

WELL STATUS (Producing or  
shut-in)

Producing

| DATE OF TEST        | HOURS TESTED    | CHOKE SIZE                 | PROD'N. FOR<br>TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO |
|---------------------|-----------------|----------------------------|----------------------------|----------|------------|-------------------------|---------------|
| 7-9-80              | 24 Hours        |                            |                            | 35       | 30         | 2                       | 857           |
| FLOW, TUBING PRESS. | CASING PRESSURE | CALCULATED<br>24-HOUR RATE | OIL—BBL.                   | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |               |
|                     |                 |                            | 35                         | 30       | 2          |                         | 43.6          |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

K. D. Jones

35. LIST OF ATTACHMENTS

Logs, Inclination Survey Drilling Summary

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Authorized Agent

DATE July 9, 1980

\*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOC

FARMINGTON DISTRICT  
JUL 11 1980  
BY

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 38. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

32. (Cont'd)  
7365-7544 Frac w/70,000 gals GWX7 gel +  
120,000# 20/40 mesh + 18 BS

| 37. SUMMARY OF POROUS ZONES:                                                                                                                                                                                       |      |        | 38. GEOLOGIC MARKERS |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|----------------------|-------------|
| SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        |                      |             |
| FORMATION                                                                                                                                                                                                          | TOP  | BOTTOM | NAME                 | MEAS. DEPTH |
| Dakota                                                                                                                                                                                                             | 7330 | 7544   | Gallup               | 6395        |
|                                                                                                                                                                                                                    |      |        | Greenhorn            | 7246        |
|                                                                                                                                                                                                                    |      |        | Graneros             | 7306        |
|                                                                                                                                                                                                                    |      |        | Dakota               | 7330        |
|                                                                                                                                                                                                                    |      |        | Morrison             | 7708        |

DAILY DRILLING REPORT

Jillson Federal #4

JILLSON FEDERAL #4  
West Lindrith Gallup Dakota Fld  
Rio Arriba Co, N.M.  
PD 8000 Dakota & Gallup  
Mobil Intr 100%  
AFE 0207 = \$707 M  
Cactus Rig #19  
Spud 5/10/80

5/10/80  
MIRT - Cactus Dlg Corp Rig #19 - 25% rigged up

5/11/80  
300' - Not dlg sd & sh-MOC on 13-3/8 csg.  
17" hole - MND - Native mud. MIRT Cactus Rig #19  
& spud in @ 6:30 am 5/10/80. Fin 17" hole @ 3:00  
pm 5/10/80. Ran 7 jts 13-3/8" 48# K-40 ST&C csg  
to 300'. BJ cmt csg @ 300' w/300 sx Class B +  
CaCl2. PD @ 10:30 pm 5/10/80. Cmt Circ.

5/12/80

1/4" @ 300, 1/4" @ 804 9 - 32 - NC  
MOC 4-1/2 hrs. Nipple up BOP & test csg & BOP  
1000. OK.

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Cactus Rig #19  
Spud 5/10/80  
13-3/8 @ 300  
8-5/8 @ 3900

5/17/80  
3900 cond mud, sd & sh, 11" hole  
circ 7-1/2 hrs, POH, ran 88 jts @ 5/8  
7482' 32# K55 ST&C 32 jts 56 jts 2427' 24#  
K55 ST&C, BJ cmt @ 3900, FC @ 3854 w/ 550x Lt  
4-100x B Neat, PD 5:30 PM 5/17/80, cmt circ.  
RU. test BOP's 1000 psi/ok.

5/30/80

7775 TD sd & sh, 7-7/8 hole  
1/2 @ 7775,  
TD 6:30 AM 5/29/80, made short trip.  
circ 2 hrs, POH, DA ran Ind E1 7761-3920  
CNL Density 7765-surf, GIH, circ 2 hrs.  
LD DP.

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Cactus Rig #19  
Spud 5/10/80  
13-3/8 @ 300  
8-5/8 @ 3900  
4-1/2 @ 7773

5/31/80

7775 TD  
Fin LDP & DC's, ran 241 jts = 7778' of 4-1/2  
csg, -- 100 jts = 3234' of 11.60# K-55 ST&C &  
117 jts = 3734' of 10.50# K-55 ST&C & 24 jts  
= 795' of 11.60# K-55 ST&C csg. DV tool @ 6022  
& cmt baskets above & below DV tool, used 14  
centr, BJ Hughes cmt 1st stage w/csg on btm @  
7773 w/200 sx BJ Lite + 200 sx Class B + 2%  
CaCl, PD @ 4 PM 5/30/80, open DV & circ 2 hrs  
& cmt circ, cmt 2nd stage w/350 sx BJ Lite + 50  
sx Class B + 2% CaCl, PD @ 7:45 PM 5/30/80, csg  
did not circ, nipple down & clean pits, Wilson  
ran temp survey from 5959 to surf, show top of  
cmt @ 5000, rel Cactus Rig #19 @ 6 AM 5/31/80



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 Cactus Rig #19  
 Spud 5/10/80  
 13-3/8 @ 300  
 8-5/8 @ 3900  
 4-1/2 @ 7773

6/5/80  
 7775 TD.  
 MIRU Allen Const DD unit 6/4/80  
 Unload & strap 2-3/8 tbg, inst BOP, GIH w/  
 3-7/8" bit, 4-1/2" CS, 4 3-1/8 DC's & 2-3/8  
 tbg, tag cnt @ 5690

6/7/80  
 7775 TD, 7615 PBTD.  
 D/O cnt from 5960 to 6022 & D/O DY tool @  
 6022, test csg to 1000 OK, ran bit to 7600  
 & tag cnt, D/O cnt 7600-7615 = PBTD, circ  
 clean & test csg to 1500 OK, POH left one  
 cone in hole

6/10/80  
 7775 TD, 7615 PBTD, Dakota 7330-7544.  
 Bluejet perf 4-1/2 csg 1 JSP/2' 7330-53;  
 7365-76; 7444-58; 7490-7516; 7524-44,  
 total 51 holes, GIH w/ RBP & pkr on 2-3/8  
 GIH to 7570

6/11/80  
 7775 TD, 7615 PBTD.  
 Set RBP @ 7590, spot 100 gals 15% HCl  
 7550-7400, set pkr @ 7466, acidize perfs  
 7490-7544 w/ 2000 gals 15% HCl, TTP 2200,  
 comm, reset pkr @ 7411, treat perfs 7444-  
 7544 w/ 2500 gals 15% HCl + 40 BS, TTP  
 1000-2900 @ 4.5 BPM, BO @ 4000, ISIP 1200,  
 10 min 1000, reset RBP @ 7411, pkr @ 7295,  
 treat perfs 7330-75 w/ 2000 gals 15% HCl  
 + 25 BS, TTP 2000 @ 4 BPM, BO @ 4000 psi  
 ISIP 1500, 10 min 1200

6/12/80  
 7775 TD, 7615 PBTD, Dakota 7365-7544.  
 POH, Smith Energy frac perfs 7365-7544  
 down 4-1/2 csg w/ 70,000 gals GEX7 gel +  
 120,000/ 20/40 mesh + 18 BS, TCP 3400 @ 38  
 BPM, 4200 @ 37 BPM, 2500 @ 35 BPM, ISIP 1700,  
 15 min 1600, job compl 5 PM 6/11/80

6/22-23-24/80  
 7775 TD, 7615 PBTD  
 62 hr SITP 575, CP 525, bled down 3-1/2 hrs,  
 GIH w/ 5 jts 2-3/8 set @ 7490, SN 7430, ins  
 tbg head, GIH 2"x1-1/4x16' pump w/ 4' 6A on  
 202 - 3/4 & 85 - 7/8 rods  
 Rel Allen DD unit & to Prod 10 AM 6/24/80.  
 Set PU, POP 6/24/80.



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 Cactus Rig #19  
 Spud 5/10/80  
 13-3/8 @ 300  
 8-5/8 @ 3900  
 4-1/2 @ 7773

7/7/80  
 7775 TD, 7615 PBTD  
 Pulled & changed pump, POP 7/3/80, rel PU  
 7/3/80, P 169 BNO + 10 BLW/90 hrs,  
 GV 8 MCFGPD.

7/9/80  
 7775 TD, 7615 PBTD  
 MWD POT: P35 BNO + 2 BLW/24 hrs, 4 - 1-1/4x7  
 SPH, GOR 857/1, Gray 43.6 @ 60, Allow 35 BOPD  
 TFA 382, cap 35, compl 6/24/80.  
FINAL REPORT.

